



# SEQUENCE LISTING

<110> Digicaylioglu, Murat  
Lipton, Stuart

<120> Pharmaceutical Compositions for Treating Painful Neuropathy and  
Methods of Treating Same

<130> 22531-509

<140> 10/810,362

<141> 2004-03-25

<150> 60/457,532

<151> 2003-03-25

<160> 8

<170> PatentIn version 3.0

<210> 1

<211> 166

<212> PRT

<213> Homo sapiens

<400> 1

Ala Pro Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr Leu  
1 5 10 15

Leu Glu Ala Lys Glu Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His  
20 25 30

Cys Ser Leu Asn Glu Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe  
35 40 45

Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val Glu Val Trp  
50 55 60

Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu  
 65 70 75 80  
 Leu Val Asn Ser Ser Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp  
 85 90 95  
 Lys Ala Val Ser Gly Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu  
 100 105 110  
 Arg Ala Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala  
 115 120 125  
 Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val  
 130 135 140  
 Tyr Ser Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala  
 145 150 155 160  
 Cys Arg Thr Gly Asp Arg  
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<210> 2

<211> 507

<212> PRT

<213> Homo sapiens

<400> 2

Met Asp Gln Leu Arg Val Ala Arg Trp Pro Arg Val Ser Pro Leu Cys  
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 Leu Leu Leu Ala Gly Ala Ala Trp Ala Ser Ser Pro Ser Leu Pro Asp  
 20 25 30  
 Pro Lys Phe Glu Ser Lys Ala Ala Leu Leu Ala Ser Arg Gly Ser Glu  
 35 40 45  
 Glu Leu Leu Cys Phe Thr Gln Arg Leu Glu Asp Leu Val Cys Phe Trp  
 50 55 60  
 Glu Glu Ala Ala Asn Ser Gly Met Gly Phe Asn Tyr Ser Phe Ser Tyr  
 65 70 75 80  
 Gln Leu Glu Gly Glu Ser Arg Lys Ser Cys Arg Leu His Gln Ala Pro  
 85 90 95  
 Thr Val Arg Gly Ser Met Arg Phe Trp Cys Ser Leu Pro Thr Ala Asp  
 100 105 110  
 Thr Ser Ser Phe Val Pro Leu Glu Leu Gln Val Thr Glu Ala Ser Gly  
 115 120 125  
 Ser Pro Arg Tyr His Arg Ile Ile His Ile Asn Glu Val Val Leu Leu  
 130 135 140

Asp	Ala	Pro	Ala	Gly	Leu	Leu	Ala	Arg	Arg	Ala	Glu	Glu	Gly	Ser	His	145	150	155	160
Val	Val	Leu	Arg	Trp	Leu	Pro	Pro	Pro	Gly	Ala	Pro	Met	Thr	Thr	His	165	170		175
Ile	Arg	Tyr	Glu	Val	Asp	Val	Ser	Ala	Gly	Asn	Arg	Ala	Gly	Gly	Thr	180	185		190
Gln	Arg	Val	Glu	Val	Leu	Glu	Gly	Arg	Thr	Glu	Cys	Val	Leu	Ser	Asn	195	200	205	
Leu	Arg	Gly	Gly	Thr	Arg	Tyr	Thr	Phe	Ala	Val	Arg	Ala	Arg	Met	Ala	210	215	220	
Glu	Pro	Ser	Phe	Ser	Gly	Phe	Trp	Ser	Ala	Trp	Ser	Glu	Pro	Ala	Ser	225	230	235	240
Leu	Leu	Thr	Ala	Ser	Asp	Leu	Asp	Pro	Leu	Ile	Leu	Thr	Leu	Ser	Leu	245	250		255
Ile	Leu	Val	Leu	Ile	Ser	Leu	Leu	Leu	Thr	Val	Leu	Ala	Leu	Leu	Ser	260	265		270
His	Arg	Arg	Ala	Leu	Arg	Gln	Lys	Ile	Trp	Pro	Gly	Ile	Pro	Ser	Pro	275	280	285	
Glu	Asn	Glu	Phe	Glu	Gly	Leu	Phe	Thr	Thr	His	Lys	Gly	Asn	Phe	Gln	290	295	300	
Leu	Trp	Leu	Leu	Gln	Arg	Asp	Gly	Cys	Leu	Trp	Trp	Ser	Pro	Ser	Ser	305	310	315	320
Pro	Phe	Pro	Glu	Asp	Pro	Pro	Ala	His	Leu	Glu	Val	Leu	Ser	Glu	Arg	325	330		335
Arg	Trp	Gly	Val	Thr	Gln	Ala	Gly	Asp	Ala	Gly	Ala	Glu	Asp	Lys	Gly	340	345		350
Pro	Leu	Leu	Glu	Pro	Val	Gly	Ser	Glu	Arg	Ala	Gln	Asp	Thr	Tyr	Leu	355	360	365	
Val	Leu	Asp	Glu	Trp	Leu	Leu	Pro	Arg	Cys	Pro	Cys	Ser	Glu	Asn	Leu	370	375	380	
Ser	Gly	Pro	Gly	Asp	Ser	Val	Asp	Pro	Ala	Thr	Met	Asp	Glu	Gly	Ser	385	390	395	400
Glu	Thr	Ser	Ser	Cys	Pro	Ser	Asp	Leu	Ala	Ser	Lys	Pro	Arg	Pro	Glu	405	410		415
Gly	Thr	Ser	Pro	Ser	Ser	Phe	Glu	Tyr	Thr	Ile	Leu	Asp	Pro	Ser	Ser	420	425	430	
Lys	Leu	Leu	Cys	Pro	Arg	Ala	Leu	Pro	Pro	Glu	Leu	Pro	Pro	Thr	Pro	435	440	445	
Pro	His	Leu	Lys	Tyr	Leu	Tyr	Leu	Val	Val	Ser	Asp	Ser	Gly	Ile	Ser	450	455	460	

Thr Asp Tyr Ser Ser Gly Gly Ser Gln Gly Val His Gly Asp Ser Ser  
 465 470 475 480

Asp Gly Pro Tyr Ser His Pro Tyr Glu Asn Ser Leu Val Pro Asp Thr  
 485 490 495

Glu Pro Leu Arg Pro Ser Tyr Val Ala Cys Ser  
 500 505

<210> 3

<211> 20

<212> PRT

<213> Homo sapiens

<400> 3

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
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Pro Gln Gly Gly  
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<210> 4

<211> 20

<212> PRT

<213> Homo sapiens

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Gly Gly Asp Tyr His Cys Arg Met Gly Pro Leu Thr Trp Val Cys Lys  
 1 5 10 15

Pro Leu Gly Gly  
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<210> 5

<211> 20

<212> PRT

<213> Homo sapiens

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Gly Gly Val Tyr Ala Cys Arg Met Gly Pro Ile Thr Trp Val Cys Ser  
 1 5 10 15

Pro Leu Gly Gly  
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<210> 6

<211> 20

<212> PRT

<213> Homo sapiens

<400> 6

Val Gly Asn Tyr Met Cys His Phe Gly Pro Ile Thr Trp Val Cys Arg  
1 5 10 15

Pro Gly Gly Gly  
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<210> 7

<211> 20

<212> PRT

<213> Homo sapiens

<400> 7

Gly Gly Leu Tyr Leu Cys Arg Phe Gly Pro Val Thr Trp Asp Cys Gly  
1 5 10 15

Tyr Lys Gly Gly  
20

<210> 8

<211> 14

<212> PRT

<213> Homo sapiens

<400> 8

Gly Gly Cys Arg Ile Gly Pro Ile Thr Trp Val Cys Gly Gly  
1 5 10